CONVERTING FRACTION TO DECIMAL

**Introduction:** The following activity is going to refresh your measuring skills from last year, and build on them for the Architectural Engineering activity that you are about to complete. In this activity, you are going to create a *Fraction to Decimal conversion chart*. In 6th grade we learned how to measure to the nearest 1/8”. This year we are going to measure to the nearest 1/16” and learn how to convert those fractions to decimals. This is the standard practice for architectural drafting, which will be the next activity that we complete.

**Instructions:** For this activity you will need; a pencil (sharpened), a ruler, and a blank white sheet of paper. The following steps need to be followed in order and an example picture will be provided.

**NOTE: The example is not the correct size, so do not use it for measurements or to copy**

NAMEPD

**Step 1)** Fold the paper accurately in half long ways.(hotdog) Trace.

**Step 2)** Place your name and period in the upper right corner *AFTER STEPS*

**Step 3)** Measure down from the top of your paper 1 ½”. You will *1-3 are complete*

do this on both the right and left hand side making small dots.

Connect the dots so that you have a parallel line 1 ½” from the top.

**Step 4)** Starting from the previously drawn line(STEP 3), measure down the left and right hand side of the paper every 1”. Do this 8 times. Make sure to make ***SMALL*** barely visible marks. Connect the dots, making 8 evenly space rows across the whole paper.

NAMEPD

**Step 5)** Starting from the line drawn in step 3, measure down ½” inch, along the center line and the right side, cutting all 8 rows into 16 rows, each ½” tall. (See example to the right)

**Step 6)** In the 1 1/2” row at the top label the left column 1/8 and the right column 1/16. Starting in the first 1” row begin labeling 1/8 and continue down till you get to 8/8. In the right column, starting in the first ½” row, start with 1/16 and continue down till you get to 16/16.

**Step 7)** Reduce all fraction that can be reduced. Now convert all fractions to decimals. Your decimals may go out to four places (.0000)

**The example on the back is what your finished document should look like. The example is not correct size and the conversions are not correct. It is simple an example**